

## Sequence Listing

### Sequence listing

<110> SCHRENZEL, Jacques  
FRANCOIS, Patrice  
CHARBONNIER, Yvan  
JACQUET, Jean  
UTINGER, Dominic  
KRESBACH, Gerhard  
ABEL, Andreas  
EHRAT, Markus

<120> Analytical chip with an array of immobilized specific recognition elements for the determination of clinically relevant bacteria and analytical method based thereon

<130> 2005-0613A/WMC/01841

<140> 10/530,910

<141> 2005-04-08

<150> 02022631.2-1223

<151> 2002-10-09

<160> 288

<210> 1

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Enterobacter cloacae

<400> 1

acgtcaattg            ctgcggtta

<210> 2

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Staphylococcus aureus

<400> 2

agcaagcttc            tcgtccggt

<210> 3

<400> 3

000

<210> 4

<400> 4

000

<210> 5

<400> 5

000

٦	<210>	6
-	<400> 000	6
٧	<210>	7
-	<400> 000	7
٨	<210>	8
-	<400> 000	8
٩	<210>	9
-	<400> 000	9
١٠	<210>	10
-	<400> 000	10
١١	<210>	11
-	<400> 000	11
١٢	<210>	12
-	<400> 000	12
١٣	<210>	13
-	<400> 000	13
١٤	<210>	14
-	<400> 000	14
١٥	<210>	15
-	<400> 000	15
١٦	<210>	16
-	<400> 000	16
١٧	<210>	17
-	<400> 000	17
١٨	<210>	18
-	<400> 000	18

```

-
<210> 19
<211> 19
<212> DNA
-
<213> Artificial Sequence

<223> Probe for Escherichia coli
r
<400> 19

.
agcaagccct      tctgctgtt

.
<210> 20
<211> 19
<212> DNA
<213> Artificial Sequence

.
<223> Probe for Escherichia coli

<400> 20

ggcagtctct      ctttgagtt

<210> 21
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Escherichia coli

<400> 21

tcagactacg      cacgacttt

<210> 22
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Enterococcus faecalis

<400> 22

gccatgcggc      ataaactgt

<210> 23
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Enterococcus faecalis

<400> 23

cgaaagcgcc      tttcactct

<210> 24
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Enterococcus faecalis

<400> 24

```

```

agataccgtc      aggggacgt
<210> 25
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Klebsiella pneumoniae
<400> 25

ttcctcccca      ctgaaagtg
<210> 26
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Klebsiella pneumoniae
<400> 26

ggtaacgtca      atcgccaag
<210> 27
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Klebsiella pneumoniae
<400> 27

tgcgggtaac      gtcaatcgc
<210> 28
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Staphylococcus epidermidis (excludes Staphylococcus aureus)
<400> 28

tcactattga      accatgcgg
<210> 29
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Staphylococcus aureus (excludes Staphylococcus epidermidis)
<400> 29

ccgtcaagat      gtgcacagt
<210> 30
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Pseudomonas aeruginosa

```

<400> 30

gatcccccac tttctccct

<210> 31

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Streptococcus pneumoniae*

<400> 31

tgtcatgcaa catccactc

<210> 32

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Streptococcus pneumoniae*

<400> 32

cgtgaacgta gtgatggtc

<210> 33

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Propionibacterium acnes*

<400> 33

tttcaaagcc gccaaacccc

<210> 34

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Pseudomonas aeruginosa*

<400> 34

gcggtattag cgcccgttt

<210> 35

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Pseudomonas aeruginosa*

<400> 35

actttctccc tcaggacgt

<210> 36

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Propionibacterium acnes*

<400> 36

cccacaaaag cagggcctt

<210> 37

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Streptococcus pneumoniae*

<400> 37

ctggtagtga tgcaagtgc

<210> 38

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Streptococcus pneumoniae*

<400> 38

tctggtagtg atgcaagtg

<210> 39

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Streptococcus pneumoniae*

<400> 39

catctggtag tgatgcaag

<210> 40

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Streptococcus pyogenes*

<400> 40

taaattacta acatgcggt

<210> 41

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Streptococcus pyogenes*

<400> 41

aattactaac atgcggttag

<210> 42

<211> 19

<212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus pyogenic consensus  
  
 <400> 42  
  
 aattgcacct            tttaaatga  
  
 <210> 43  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus pyogenic consensus  
  
 <400> 43  
  
 taacttcaga            cttaaagaa  
  
 <210> 44  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus salivarius  
  
 <400> 44  
  
 aataaatgac            atgtgtcat  
  
 <210> 45  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus salivarius  
  
 <400> 45  
  
 aaataaatga            catgtgtca  
  
 <210> 46  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus salivarius consensus  
  
 <400> 46  
  
 ctatctctag            aaatagcat  
  
 <210> 47  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus salivarius consensus  
  
 <400> 47  
  
 ctatctctag            aaatagcat

<210> 48  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Streptococcus sanguis  
 <400> 48  
 atgcaataat            caattttat  
 <210> 49  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Streptococcus sanguis  
 <400> 49  
 gcatctttca            attaattat  
 <210> 50  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Enterobacter cloacae  
 <400> 50  
 ggtcttgca            cgttatgcg  
 <210> 51  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus consensus  
 <400> 51  
 cacttttgaa            ccatgcggt  
 <210> 52  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus consensus  
 <400> 52  
 caccccaatc            atttgtccc  
 <210> 53  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Bacteroides fragilis  
 <400> 53



```

gaacgcatcc      ccatccttt
<210> 54
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Enterobacter agglomerans
<400> 54
ttcagtagta      cgggaatgc
<210> 55
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Streptococcus dysgalactiae
<400> 55
ttgcaccttt      taaatgaaa
<210> 56
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Streptococcus equinus
<400> 56
cttctttcaa      gcatctaac
<210> 57
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Streptococcus intermedius
<400> 57
gtatgaactt      tccattctc
<210> 58
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Streptococcus mitis
<400> 58
tctacttgca      tgtattagg
<210> 59
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Streptococcus mitis

```

```

<400> 59
aaaactctat      ctctagagc

<210> 60
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Streptococcus mitis consensus

<400> 60
acctttttaag      taaatgtca

<210> 61
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Streptococcus mitis consensus

<400> 61
acctttttaag      taaatgtca

<210> 62
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Streptococcus mitis consensus

<400> 62
aattgcacct      ttttaagtaa

<210> 63
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Streptococcus mitis consensus

<400> 63
aattgcacct      ttttaagtaa

<210> 64
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Streptococcus mutans

<400> 64
cttgcacatctt      tcaatcaat

<210> 65
<211> 19
<212> DNA
<213> Artificial Sequence

```

<223> Probe for Streptococcus mutans  
 <400> 65  
 attatcatgc aataattaa  
 <210> 66  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Streptococcus mutans consensus  
 <400> 66  
 tttaacttca gacttacta  
 <210> 67  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Streptococcus mutans consensus  
 <400> 67  
 atctttcaat caattaaca  
 <210> 68  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Streptococcus pneumonia  
 <400> 68  
 actagctaata acaacgtag  
 <210> 69  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Streptococcus pneumonia  
 <400> 69  
 actagctaata acaacgtag  
 <210> 70  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Streptococcus pneumonia consensus  
 <400> 70  
 aaagcctact atggttaag  
 <210> 71  
 <211> 19  
 <212> DNA

<213> Artificial Sequence  
 <223> Probe for Streptococcus pneumoniae  
 <400> 71  
 gtcatgcaac atccactct  
 <210> 72  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Streptococcus pneumoniae  
 <400> 72  
 tgtcatgcaa catccactc  
 <210> 73  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus kloosii  
 <400> 73  
 tctataagtg atagcaagg  
 <210> 74  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus lugdunensis  
 <400> 74  
 agagttttac gatcctaag  
 <210> 75  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus saprophyticu  
 <400> 75  
 cacagttact tacacattt  
 <210> 76  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus saprophyticu  
 <400> 76  
 agttacttac acatttggt  
 <210> 77

<211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus sciuri  
 <400> 77  
 ttcagttact            aacaaattt  
 <210> 78  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus simulans  
 <400> 78  
 gcatagttac            ttacatcct  
 <210> 79  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus warneri  
 <400> 79  
 ttcaatatgt            tatccggtat  
 <210> 80  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus xylosus  
 <400> 80  
 tctaaatggt            atccggtat  
 <210> 81  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Stomatococcus mucilaginosus  
 <400> 81  
 cagagttaaa            ggtaggtta  
 <210> 82  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Streptococcus agalactiae  
 <400> 82  
 taacatgtgt            taattactc

<210> 83  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus agalactiae  
  
 <400> 83  
  
 atcagtctag           tgtaaacac  
  
 <210> 84  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus agalactiae  
  
 <400> 84  
  
 ctcacagtc           tagtgtaaa  
  
 <210> 85  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus anginosus consensus  
  
 <400> 85  
  
 acagtatgaa           ctttccatt  
  
 <210> 86  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus anginosus consensus  
  
 <400> 86  
  
 tttcacttca           gacttatct  
  
 <210> 87  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus bovis consensus  
  
 <400> 87  
  
 tgtgttaaatt           gctgttatg  
  
 <210> 88  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for Streptococcus bovis consensus  
  
 <400> 88

cttcagactt          attaaaccg

<210>    89  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Streptococcus bovis consensus

<400>    89

cttcctatct          ctaggaata

<210>    90  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Streptococcus canis

<400>    90

gttcttaaca          tgtgttaag

<210>    91  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Citrobacter freundii

<400>    91

tatcgaatta          aaccacatg

<210>    92  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Burkholderia cepacia

<400>    92

tagaaccaag          gatttcttt

<210>    93  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Bacteroides distasonis

<400>    93

cttataaaag          aggtttacg

<210>    94  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Actinomyces meyeri

<400> 94  
 cagtgaatat ccagtatta  
 <210> 95  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus epidermidis  
 <400> 95  
 cagcaaaacc gtctttcac  
 <210> 96  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Serratia marcescen  
 <400> 96  
 tcaattgatg agcgtatta  
 <210> 97  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Pseudomonas aeruginosa  
 <400> 97  
 gcggtattag cgcccgttt  
 <210> 98  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Proteus mirabilis  
 <400> 98  
 gtaacgtcaa ttgataagg  
 <210> 99  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for PeptoStreptococcus consensus  
 <400> 99  
 tagcagtttt aaatgctta  
 <210> 100  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence



<223> Probe for Legionella pneumophila

<400> 100

ttaatcagct cttaaccta

<210> 101

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Klebsiella oxytoca

<400> 101

ataaggttat taacctcac

<210> 102

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Gemella haemolysans

<400> 102

aacttttaaa catcaacca

<210> 103

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Staphylococcus epidermidis

<400> 103

acatcagcgt cagatacag

<210> 104

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Staphylococcus epidermidis

<400> 104

tcgcacatca gcgtcagat

<210> 105

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Staphylococcus epidermidis

<400> 105

ctattgaacc atgcggttc

<210> 106

<211> 19

```

<212> DNA
<213> Artificial Sequence

<223> Probe for Staphylococcus haemolyticus

<400> 106

tagttactta      cacgtatgt

<210> 107
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Staphylococcus hominis

<400> 107

tctataagtg      atagcagag

<210> 108
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Staphylococcus hominis

<400> 108

tctataagtg      atagcagag

<210> 109
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Enterobacter agglomerans

<400> 109

cgtaagggca      tgatgactt

<210> 110
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Clostridium ramosum

<400> 110

ctttgaggca      cttttaata

<210> 111
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Citrobacter freundii

<400> 111

tatcgaatta      aaccacatg

```

```

<210> 112
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Bacteroides vulgatus

<400> 112
tccttattca      taaagtaca

<210> 113
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Bacteroides consensus

<400> 113
tttccacata      attcagttg

<210> 114
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Actinomyces meyeri

<400> 114
ccagtgaata      tccagtatt

<210> 115
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Staphylococcus cohnii

<400> 115
taaattgttat      ccggcatta

<210> 116
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Staphylococcus epidermidis

<400> 116
catgcggttc aatatatta

<210> 117
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Pseudomonas aeruginosa

<400> 117

```

tggttccttcc      tatatctac  
 <210>    118  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Propionibacterium consensus  
 <400>    118  
 ttaccttggt      acgacttag  
 <210>    119  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for PeptoStreptococcus consensus  
 <400>    119  
 tgctggtaac      taaagatag  
 <210>    120  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Legionella pneumophila  
 <400>    120  
 aatcagctct      taacctatc  
 <210>    121  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Klebsiella pneumoniae  
 <400>    121  
 ggtaacgtca      atgaataag  
 <210>    122  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Gemella haemolysans  
 <400>    122  
 tgtatagtta      ctacacaat  
 <210>    123  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Eubacterium limosum

<400> 123  
 aaaaccataa        tataaggct  
 <210> 124  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Enterococcus faecalis  
 <400> 124  
 gccactcctc        tttccaatt  
 <210> 125  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Enterobacter agglomerans  
 <400> 125  
 ggggatttca        catcgactt  
 <210> 126  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Clostridium tertium  
 <400> 126  
 gctcctttaa        ttacttctt  
 <210> 127  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Escherichia coli  
 <400> 127  
 cgctgaaagt        acgtggcctt  
 <210> 128  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Enterococcus faecali  
 <400> 128  
 ctttaagaga        tttgcatga  
 <210> 129  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<223> Probe for Enterobacter agglomerans

<400> 129

ccttttgagtt cccaccatt

<210> 130

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Clostridium perfringens

<400> 130

tcaacattat gcggtatta

<210> 131

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Citrobacter freundii

<400> 131

ttcctctagt ttatcactg

<210> 132

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Bacteroides ureolyticus

<400> 132

attccttcct gataaaagg

<210> 133

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Bacteroides consensus

<400> 133

cacataattc agttgcaat

<210> 134

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Acinetobacter junii

<400> 134

aagagtatta gtctcagta

<210> 135

<211> 19

<212> DNA

<213> Artificial Sequence  
 <223> Probe for Staphylococcus aureus  
 <400> 135  
 aagcaagctt           ctcgtccgt  
 <210> 136  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus epidermidis  
 <400> 136  
 tgcggttcaa           tatattatc  
 <210> 137  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Pseudomonas aeruginosa  
 <400> 137  
 tcctatatct           acgcatttc  
 <210> 138  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Propionibacterium consensus  
 <400> 138  
 gttacgactt           agtcctaata  
 <210> 139  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for PeptoStreptococcus anaerobi  
 <400> 139  
 actttgatat           atctacgat  
 <210> 140  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Lactobacillus consensus  
 <400> 140  
 aagcaccatt           cattattaa  
 <210> 141

```

<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Haemophilus paraprofitus
<400> 141
tttcatctct      cgattctac

<210> 142
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Fusobacterium varium
<400> 142
atagctttca      taaccaaatt

<210> 143
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Escherichia coli
<400> 143
aacgcacatc      atgcgtctt

<210> 144
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Enterococcus faecalis
<400> 144
cgaaagcgcc      tttcactct

<210> 145
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Haemophilus parainfluenzae
<400> 145
agtctattaa      actaaatgc

<210> 146
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Fusobacterium nucleatum
<400> 146
tagctttcat      aattctaag

```



```

<210> 147
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Escherichia coli

<400> 147
aaccgactcc      atgaagtcg

<210> 148
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Enterococcus faecali

<400> 148
gagaagcttt      aagagattt

<210> 149
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Enterobacter aerogenes

<400> 149
caaggttatt      aaccttaac

<210> 150
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Clostridium perfringens

<400> 150
acattatgcg      gtattaatc

<210> 151
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Citrobacter freundii

<400> 151
cttcctctag      tttatcact

<210> 152
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Bacteroides thetaiotaomicron

<400> 152

```

ccgaaattct            ttaataata

<210>    153  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Bacteroides consensus

<400>    153

cagtatcaac            tgcaatttt

<210>    154  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Acinetobacter consensus

<400>    154

gagatgatat            ccggtatta

<210>    155  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Escherichia coli

<400>    155

agcaagcttc            tcgtccggt

<210>    156  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Staphylococcus epidermidis

<400>    156

atgcggttca            atatattat

<210>    157  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Pseudomonas aeruginosa

<400>    157

gttccttcct            atatctacg

<210>    158  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence

<223>    Probe for Propionibacterium acnes

<400> 158  
 agtttagccgg tgcttcttt  
 <210> 159  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *PeptoStreptococcus anaerobi*  
 <400> 159  
 catgtattag taaactttt  
 <210> 160  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Lactobacillus consensus*  
 <400> 160  
 ggatcaaact ctcatttta  
 <210> 161  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Haemophilus paraphrophilus*  
 <400> 161  
 attaacgtca atttggtgt  
 <210> 162  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Fusobacterium nucleatum*  
 <400> 162  
 taattctaag atgccttaa  
 <210> 163  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Pasteurella multocida*  
 <400> 163  
 gctatctatt taacaacat  
 <210> 164  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<223> Probe for *Klebsiella pneumoniae*  
 <400> 164  
 cgggtaacgt caatcgatg  
 <210> 165  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Haemophilus parainfluenzae*  
 <400> 165  
 ctagtctatt aaactaaat  
 <210> 166  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Fusobacterium necrophorum*  
 <400> 166  
 aaaaccataa tatccgga  
 <210> 167  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Escherichia coli*  
 <400> 167  
 aattcgattt gagttttaa  
 <210> 168  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Enterococcus consensus*  
 <400> 168  
 gatgaacatt ctactctca  
 <210> 169  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Enterobacter aerogenes*  
 <400> 169  
 aagggtatta accttaacg  
 <210> 170  
 <211> 19

<212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Clostridium paraputrificum*  
 <400> 170  
 ttttaattgct        acttcatgc  
 <210> 171  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Citrobacter amalonaticus*  
 <400> 171  
 aatggctaag        gttattaac  
 <210> 172  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Bacteroides thetaiotaomicro*  
 <400> 172  
 ccgaaattct        ttaataata  
 <210> 173  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Bacteroides caccae*  
 <400> 173  
 accgaatttc        tttaatata  
 <210> 174  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Acinetobacter consensus*  
 <400> 174  
 gagatgatat        ccggtatta  
 <210> 175  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Staphylococcus aureus*  
 <400> 175  
 cgtggctttc        tgattaggt

<210> 176  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Salmonella enteritidis*  
  
 <400> 176  
  
 gtatataatc ctgtttgct  
  
 <210> 177  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Pseudomonas aeruginosa*  
  
 <400> 177  
  
 cttcctatat ctacgcatt  
  
 <210> 178  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Propionibacterium acnes*  
  
 <400> 178  
  
 cccacaaaag cagggcctt  
  
 <210> 179  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Pasteurella multocida*  
  
 <400> 179  
  
 taattaacgt caatgatgc  
  
 <210> 180  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Lactobacillus consensus*  
  
 <400> 180  
  
 ctaaggttgt caaaagatg  
  
 <210> 181  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Providencia stuartii*  
  
 <400> 181

cgttgatggt      attaacatc

<210> 182  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<223> Probe for *Propionibacterium acne*

<400> 182

caattccttt      gagtttttag

<210> 183  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<223> Probe for *Neisseria flavescens*

<400> 183

ccaactaact      aatcagata

<210> 184  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<223> Probe for *Klebsiella pneumoniae*

<400> 184

tgcgggtaac gtcaatcgc

<210> 185  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<223> Probe for *Haemophilus influenzae*

<400> 185

ttaacgtcaa tttgatgta

<210> 186  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<223> Probe for *Fusobacterium necrophorum*

<400> 186

catctagctt      tcatgattc

<210> 187  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<223> Probe for *Escherichia coli*

<400> 187

tacttctttt ggacgaata

<210> 188

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Enterococcus consensus

<400> 188

gagaagcttt aagagatta

<210> 189

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Eikenella corrodens

<400> 189

actagctaact cagttatcg

<210> 190

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Clostridium innocuum

<400> 190

gctcagtcaa tttaaattc

<210> 191

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Citrobacter amalonaticus

<400> 191

aaggttatta accttaacc

<210> 192

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for Bacteroides stercoris

<400> 192

aattcttttaa taatcatcc

<210> 193

<211> 19

<212> DNA

<213> Artificial Sequence



<223> Probe for *Bacteroides caccae*  
 <400> 193  
 tatgctatcg gatattaat  
 <210> 194  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Acinetobacter consensus*  
 <400> 194  
 agatgatatc cggtattag  
 <210> 195  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Staphylococcus aureus*  
 <400> 195  
 tagctaatgc agcgcggat  
 <210> 196  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Salmonella consensus*  
 <400> 196  
 attctcatct ctgaaaact  
 <210> 197  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Providencia stuartii*  
 <400> 197  
 caatcgttga tggattataa  
 <210> 198  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Propionibacterium acnes*  
 <400> 198  
 cccaaccgc cgaaacttt  
 <210> 199  
 <211> 19  
 <212> DNA

<213> Artificial Sequence  
 <223> Probe for *Staphylococcus aureus*  
 <400> 199  
 gcaagaccgt ctttcactt  
 <210> 200  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Salmonella* consensus  
 <400> 200  
 tgatcaaact cttcaattt  
 <210> 201  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Proteus vulgaris*  
 <400> 201  
 gctaagagta ttaatctta  
 <210> 202  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Aerococcus viridans*  
 <400> 202  
 aggaggacat aaggtatta  
 <210> 203  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Neisseria flavescens*  
 <400> 203  
 accaactaac taatcagat  
 <210> 204  
 <400> 204  
 000  
 <210> 205  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Haemophilus influenzae*

<400> 205

taacgtcaat            ttgatgtac

<210> 206

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Fusobacterium mortiferum*

<400> 206

tatagctttc            atatgaatt

<210> 207

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Escherichia coli*

<400> 207

gatctctact            ggaattcta

<210> 208

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Enterobacter cloacae*

<400> 208

acgtcaattg            ctgcggtta

<210> 209

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Eikenella corrodens*

<400> 209

caactagcta            atcagttat

<210> 210

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Clostridium innocuum*

<400> 210

gctcagtcaa            tttaaattc

<210> 211

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Chryseomonas luteola*

<400> 211

caacgtatta ggttacaac

<210> 212

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Bacteroides ovatus*

<400> 212

atatcatgcg atattcgta

<210> 213

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Alcaligenes faecalis*

<400> 213

cactctttcg agtagttat

<210> 214

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Acinetobacter consensus*

<400> 214

agatgatatc cggatttag

<210> 215

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Staphylococcus aureus*

<400> 215

cacttttgaa ccatgcggt

<210> 216

<211> 19

<212> DNA

<213> Artificial Sequence

<223> Probe for *Salmonella consensus*

<400> 216

ttctcatctc tgaaaactt

<210> 217

<211> 19

<212> DNA

<213> Artificial Sequence  
 <223> Probe for *Aeromonas hydrophila*  
 <400> 217  
 acagttgata cgtattagg  
 <210> 218  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Acinetobacter consensus*  
 <400> 218  
 ttttgagatt agcatccta  
 <210> 219  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Staphylococcus aureus*  
 <400> 219  
 tcgctgccct ttgtattgt  
 <210> 220  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Staphylococcus aureus*  
 <400> 220  
 tatctctaga gttgtcaaa  
 <210> 221  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Proteus vulgaris*  
 <400> 221  
 taagagtatt aatcttaac  
 <210> 222  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *PeptoStreptococcus prevotii*  
 <400> 222  
 agagatcatt taagcttca  
 <210> 223

<211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Morganella morganii*  
 <400> 223  
  
 aagggttatta          accttgaca  
  
 <210> 224  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Klebsiella pneumonia*  
 <400> 224  
  
 gatgagggtta          ttaacctca  
  
 <210> 225  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Haemophilus aphrophilus*  
 <400> 225  
  
 tacaagtact          tacctgtta  
  
 <210> 226  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Fusobacterium mortiferum*  
 <400> 226  
  
 atagctttca          tatgaattt  
  
 <210> 227  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Escherichia coli*  
 <400> 227  
  
 atgagcaaag          tattagact  
  
 <210> 228  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Enterobacter cloacae*  
 <400> 228  
  
 ggtcttgcca          ctttatgcg

```

<210> 229
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Corynebacterium consensus

<400> 229

taaagtatgg      tgtcctatc

<210> 230
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Clostridium consensus

<400> 230

atgcgatact      ctgatatta

<210> 231
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Capnocytophaga ochracea

<400> 231

gctttaatag      ttgtgtgat

<210> 232
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Bacteroides fragilis

<400> 232

ggaacgcatc      cccatcctt

<210> 233
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Aeromonas hydrophila

<400> 233

tcacagttga      tacgtatta

<210> 234
<211> 19
<212> DNA
<213> Artificial Sequence

<223> Probe for Acinetobacter consensus

<400> 234

```

ctctggaaag            ttcttacta  
 <210>    235  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Capnocytophaga consensus  
 <400>    235  
 tcaattaatt            gttagtaat  
 <210>    236  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Bacteroides fragili  
 <400>    236  
 tgtagtaac            taaagataa  
 <210>    237  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Aerococcus viridans  
 <400>    237  
 gtggctttct            gataagata  
 <210>    238  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Acinetobacter consensus  
 <400>    238  
 tattaaccaa            agtagcctc  
 <210>    239  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Shigella dysenteria  
 <400>    239  
 aaaggatta            actttactc  
 <210>    240  
 <211>    19  
 <212>    DNA  
 <213>    Artificial Sequence  
 <223>    Probe for Staphylococcus aureus



<400> 240  
 tatctaattcc tgtttgatc  
 <210> 241  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Proteus penneri*  
 <400> 241  
 acgtcaattg ataaaggta  
 <210> 242  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *PeptoStreptococcus prevotii*  
 <400> 242  
 gaagagatca ttttaagctt  
 <210> 243  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Morganella morganii*  
 <400> 243  
 caagggttatt aaccttgac  
 <210> 244  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Klebsiella pneumonia*  
 <400> 244  
 taattccgat taacgctta  
 <210> 245  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Haemophilus aphrophilus*  
 <400> 245  
 gtacaagtac ttacctgtt  
 <210> 246  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<223> Probe for Fusobacterium consensus  
 <400> 246  
 attcctttga gtttcatac  
 <210> 247  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Escherichia coli  
 <400> 247  
 catgatcaaa ctctcaatt  
 <210> 248  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Enterobacter cloacae  
 <400> 248  
 ggtcttgcca ctttatgcg  
 <210> 249  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Corynebacterium consensus  
 <400> 249  
 catcgaatta atccacatg  
 <210> 250  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Clostridium consensus  
 <400> 250  
 tttcacatct gacttaaat  
 <210> 251  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Capnocytophaga consensus  
 <400> 251  
 tctccaacta gctaataga  
 <210> 252  
 <211> 19

<212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Bacteroides fragilis  
 <400> 252  
 catcctttac cggaatcct  
 <210> 253  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for CNS (Coagulase Negative Staphylococci) consensus  
 <400> 253  
 ttaccaacta gctaatacgc  
 <210> 254  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Clostridium bifermentans  
 <400> 254  
 ccgtattagt atacctttc  
 <210> 255  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Burkholderia cepacia  
 <400> 255  
 ctgtattaga accaaggat  
 <210> 256  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Bacteroides fragilis  
 <400> 256  
 ctgcacttta ttcttatat  
 <210> 257  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Aerococcus viridans  
 <400> 257  
 gcttataggt agattcctt  
 <210> 258  
 <211> 19

<212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Acinetobacter calcoaceticus*  
 <400> 258  
 ctgaaggtat            taacttcag  
 <210> 259  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Shigella dysenteria*  
 <400> 259  
 gtatctctac            aaggttctg  
 <210> 260  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Staphylococcus aureus*  
 <400> 260  
 cacagttact            tacacatat  
 <210> 261  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Proteus penneri*  
 <400> 261  
 taacgtcaat            tgataaagg  
 <210> 262  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *PeptoStreptococcus micros*  
 <400> 262  
 agaatttcca            caaaaatca  
 <210> 263  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Moraxella osloensis*  
 <400> 263  
 caggtaacgt            ctaatctaa

<210> 264  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Klebsiella pneumonia*  
  
 <400> 264  
  
 atcgatgagg            ttattaacc  
  
 <210> 265  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Gemella morbillorum*  
  
 <400> 265  
  
 aaccaacttt            taaatatct  
  
 <210> 266  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Fusobacterium consensus*  
  
 <400> 266  
  
 ctaagaatag            ttttctgag  
  
 <210> 267  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Enterococcus faeciu*  
  
 <400> 267  
  
 tttaagagat            tagcttagc  
  
 <210> 268  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Enterobacter agglomeran*  
  
 <400> 268  
  
 gtaacattct            gatttacga  
  
 <210> 269  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <223> Probe for *Corynebacterium consensus*  
  
 <400> 269

```

ctaaagtatg      gtgtcctat
<210> 270
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Clostridium clostridiiforme
<400> 270
gaaaacttca      tcttaattg
<210> 271
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Enterococcus faecalis
<400> 271
agataccgtc      aggggacgt
<210> 272
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Enterobacter agglomerans
<400> 272
agaactcaag      ctgccagtt
<210> 273
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for CNS consensus
<400> 273
tagctcctaa      taaatggtt
<210> 274
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Citrobacter freundii
<400> 274
ccttcctcta      gtttatcac
<210> 275
<211> 19
<212> DNA
<213> Artificial Sequence
<223> Probe for Burkholderia cepacia

```

<400> 275  
 gtattagaac caaggattt  
 <210> 276  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Bacteroides fragili  
 <400> 276  
 acatactgca ctttattct  
 <210> 277  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Staphylococcus aureus  
 <400> 277  
 agcagttact ctacaattt  
 <210> 278  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Acinetobacter baumannii  
 <400> 278  
 taggtattaa ctaaagtag  
 <210> 279  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Serratia marcescen  
 <400> 279  
 caattgatga gcgtattaa  
 <210> 280  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for Pseudomonas aeruginosa  
 <400> 280  
 acttttctccc tcaggacgt  
 <210> 281  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<223> Probe for *Proteus mirabilis*  
 <400> 281  
 ggtaacgtca attgataag  
 <210> 282  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *PeptoStreptococcus micros*  
 <400> 282  
 cgtcattatc ttctcatag  
 <210> 283  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Moraxella catarrhalis*  
 <400> 283  
 actaagtatc agaagcaag  
 <210> 284  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Klebsiella pneumonia*  
 <400> 284  
 tcaatcgatg aggttatta  
 <210> 285  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Gemella morbillorum*  
 <400> 285  
 tagttactac atatccatt  
 <210> 286  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <223> Probe for *Fusobacterium consensus*  
 <400> 286  
 tccgaactaa gaatagttt  
 <210> 287  
 <211> 19  
 <212> DNA



, <213> Artificial Sequence  
 , <223> Probe for Enterococcus faecalis  
 , <400> 287  
 ttatccccct ctgatgggt  
 \*  
 , <210> 288  
 , <211> 19  
 , <212> DNA  
 , <213> Artificial Sequence  
 , <223> Probe for Enterobacter agglomeran  
 ~ <400> 288  
 - gatgaagtat taatttcac